

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 41. (Cancelled)
42. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence encoding a polypeptide of SEQ ID NO: 38.
43. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence encoding the mature form of the polypeptide of SEQ ID NO: 38.
44. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence of SEQ ID NO: 37.
45. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence encoding the full length complement of the a polynucleotide of SEQ ID NO:37.
46. (previously presented) A vector comprising the nucleic acid sequence of claim 42.
47. (previously presented) The vector of claim 46, further comprising a promoter operably-linked to said nucleic acid molecule.
48. (withdrawn) A cell comprising the vector of claim 46.
49. (previously presented) A composition comprising the polynucleotide of claim 42 and a carrier.
50. (currently amended) An isolated polynucleotide consisting of a nucleic acid sequence encoding a polypeptide of SEQ ID NO: 38.

51. (currently amended) An isolated polynucleotide of claim 42 wherein the nucleic acid sequence encodes a mature form of the polypeptide of SEQ ID NO: 38;
52. (previously presented) A single nucleotide polymorphism coding variant of the polynucleotide of claim 42 which encodes serine at amino acid residue 27.
53. (withdrawn) A cSNP and coding variant of the polynucleotide of claim 42 which encodes proline at amino acid residue 27.
54. (withdrawn) A cSNP and coding variant of the polynucleotide of claim 42 which encodes glutamic acid at amino acid residue 39.
55. (previously presented) A single nucleotide polymorphism coding variant of the polynucleotide of claim 42 which encodes lysine at amino acid residue 39.
56. (withdrawn) A cSNP and coding variant of the polynucleotide of claim 42 which encodes glycine at amino acid residue 76.
57. (previously presented) A single nucleotide polymorphism coding variant of the polynucleotide of claim 42 which encodes arginine at amino acid residue 76.
58. (withdrawn) A cSNP and coding variant of the polynucleotide of claim 42 which encodes threonine at amino acid residue 220.
59. (previously presented) A single nucleotide polymorphism coding variant of the polynucleotide of claim 42 which encodes alanine at amino acid residue 220.
60. (withdrawn) A cSNP and coding variant of the polynucleotide of claim 42 which encodes arginine at amino acid residue 236.

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61. (previously presented) A single nucleotide polymorphism coding variant of the polynucleotide of claim 42 which encodes glutamine at amino acid residue 236.
62. (withdrawn) A cSNP and coding variant of the polynucleotide of claim 42 which encodes arginine at amino acid residue 270.
63. (previously presented) A single nucleotide polymorphism coding variant of the polynucleotide of claim 42 which encodes glycine at amino acid 270.